

Missouri Department of Natural Resources

Missouri State Fiscal Year 2007

(July 1, 2006 – June 30, 2007)

**CLEAN WATER STATE REVOLVING FUND
INTENDED USE PLAN,**

STATE GRANT AND LOAN PRIORITY LIST

AND

PROGRAM APPLICATION FORMS

&

INSTRUCTIONS

Final May 3, 2006

**FISCAL YEAR 2007 CLEAN WATER STATE REVOLVING FUND
INTENDED USE PLAN,
STATE GRANT AND LOAN PRIORITY LISTS
AND
PROGRAM APPLICATION FORMS & INSTRUCTIONS**

Table of Contents

	<u>Begins on Page</u>
Introduction	1
<u>Clean Water State Revolving Fund Intended Use Plan</u>	
I. Background	5
II. Description of State Revolving Fund Program	6
Cash Flow Model and Diagram	8
III. Applicant Information	9
IV. Goals and Objectives	9
V. Modifications	11
VI. Clean Water State Revolving Fund Use of Funds	12
VII. Clean Water State Revolving Fund Sources of the Funds	13
Sources and Distribution of Capitalization Grant and Loan Repayment Funds Table	14
Sources and Distribution of Loan Administration Fees	15
Clean Water State Revolving Fund Process Flow Chart	16
VIII. State Assurances and Proposals	17
A. Administrative Costs	
B. Public Review and Comment	
C. Environmental Review	
D. First Use for Enforceable Requirements	
E. Compliance with Title II	
F. Binding Commitments	
G. Expenditure of Funds	
H. Potential for Environmental Impact Study	
I. Description Assistance	
J. Carryover Priority List	
<u>Federal Leveraged & Direct Loan Programs And Federal Special Infrastructure Grants</u>	21
Program Descriptions and Project Lists	
<u>State Funded Grant & Loan Programs</u>	31
Program Descriptions and Project Lists	

Table of Contents (continued)

	<u>Begins on Page</u>
<u>List of Fiscal Year 2007 Applicants</u>	37
<u>Sources and Distribution of Funds Detail</u>	41
<u>Program Application Forms & Instructions</u>	45
I. Missouri Clean Water State Revolving Fund Application	
II. Water Quality Reviews Request Form	
III. Facility Plan Checklist	
IV. Facility Plan/Environmental Information Document Guidance for Clean Water SRF Funded Projects	

**FISCAL YEAR (FY) 2007
CLEAN WATER STATE REVOLVING FUND (CWSRF)
INTENDED USE PLAN (IUP)**

Introduction

The Missouri Department of Natural Resources, Water Protection Program (WPP) is the delegated authority for the administration of federal funds made available to the state under the provisions of the Clean Water Act (CWA) by the U.S. Environmental Protection Agency (EPA). The funds are for financing a variety of eligible projects and are to be used in perpetuity for low interest loans made from the CWSRF.

References throughout this document to the “Commission” and the “department” refer to the Missouri Clean Water Commission and the Missouri Department of Natural Resources, respectively.

The department is given authority by the state legislature to administer several related state-funded grant and loan programs.

This document contains the IUP and priority lists for the CWSRF Program and a listing of State Grant and Loan Program applicants. No State Water Pollution Control Bonds have been sold to fund the State Grant and Loan Programs; therefore, funding will come from remaining bond proceeds, interest earnings and recoveries.

The CWSRF application, facility plan guidance, and water quality review request forms necessary for future applications for funding are included at the end of this document.

Operation and management of the CWSRF program are directed by regulations 10 CSR 20-4.010 through 10 CSR 20-4.020 and 10 CSR 20-4.040 through 10 CSR 20-4.050.

Intended Use Plan

This IUP contains information regarding the development and management of the CWSRF priority lists and assurances mandated by federal rules. The IUP details the proposed distribution of Missouri’s anticipated CWSRF Capitalization Grants, the repayments of previously awarded SRF loans, and the interest earnings from the repayment account deposits for the upcoming fiscal year.

State Grant and Loan Priority Lists

State grant and loan program descriptions and the application lists of the remaining projects are on pages 31-33 of this document. This section contains planning lists for the State Forty-Percent Construction Grant Program and State Loan Programs, should funds become available. Operation and management of these state programs are directed by 10 CSR 20-4.023 and 10 CSR 20-4.010 through 10 CSR 20-4.020.

CWSRF Applications and Project Priority

The department solicits applications for the State’s Revolving Fund Program throughout each year. Applications for assistance are prioritized by a point system that was established for the EPA’s Construction Grants Program. Priority points are determined by the equation outlined in 10 CSR 20-4.010. State Regulation establishes November 15th as the annual submittal

deadline for applications to participate in the programs during any fiscal year. However, applications will be accepted and processed at any time.

Applicants anticipating the use of state and/or federal funds, with the exception of projects funded solely with CWSRF funds, to finance wastewater system improvements must complete a Missouri Water and Wastewater Review Committee (MWWRC) project proposal. The applicant should contact the MWWRC for a complete project proposal package. The MWWRC agencies include:

Kimberly Martin
Missouri Department of Economic Development
Community Development Block Grant Program
301 W. High Street, P.O. Box 118
Jefferson City, Missouri 65102
Telephone: (573) 751-3600

David Potthast
Missouri Department of Natural Resources
State Revolving Fund
1101 Riverside Dr., P.O. Box 176
Jefferson City, Missouri 65102
Telephone: (573) 526-0828

Nonie Dudley
U.S. Dept. of Agriculture, Rural Development
601 Business Loop 70 West, Parkade Center, Suite 235
Columbia, Missouri 65203
Telephone: (573) 876-0995

State regulation 10 CSR 20-4.040 establishes that applications are valid for two IUP cycles or "years". Those projects not meeting program criteria within the allotted two-year cycle will have their allocated funds released and reallocated to projects in the SFY 2007 system. Re-application to the program is possible at the end of the two-year cycle, but a project's position on a fundable, contingency, or planning lists may change with each subsequent application.

Project applications listed in the 2007 IUP are separated into two groups, carryover and new. Projects that were listed as "Fundable New Projects" in the SFY 2006 IUP are placed on the "Fundable Carryover Projects" list for SFY 2007. All remaining projects are evaluated and priority points are assigned in accordance with 10 CSR 20-4.010. Projects are placed on the fundable, fundable contingency, contingency or planning lists based upon their priority points, their progress towards meeting funding eligibility criteria, and availability of adequate monies. Staff will closely monitor each applicant's progress towards funding eligibility and may shift projects between the lists.

Bypassing Projects

As funds become depleted, staff will present recommendations to the commission to fund or bypass an applicant's project. Projects failing to progress towards fundable status are subject to funding "bypass". A project with fewer priority points may bypass a project with a higher priority point ranking that is failing to make sufficient advancement towards funding eligibility. Recommendations to the Commission to fund or bypass a project may be made at any commission meeting throughout the fiscal year. Applicants whose projects are recommended

for bypass or funding will be notified prior to the commission meeting when their projects appear on the agenda and will be allowed time to present their points of view regarding the proposed change in project status.

Readiness to Proceed

A CWSRF project's readiness to proceed is based upon two criteria; acceptable debt instrument and the submittal of a complete facility plan. A facility plan submittal checklist is included with the CWSRF application form. Potential CWSRF applicants are strongly encouraged to obtain a water quality review from the department before initiating facility planning activities. Facility plans that are submitted to the department without the appropriate water quality review evaluation (draft effluent limits) and the Facility Plan Submittal Checklist will be deemed incomplete. Incomplete facility plans will delay proposed projects and, ultimately, project funding.

A summary of each program, beginning on page 21, is included with its fundable, fundable contingency, contingency and planning lists.

CLEAN WATER STATE REVOLVING FUND SFY 2007 INTENDED USE PLAN

I. Background

Each year as required by Title VI of the CWA, Missouri prepares an IUP that identifies the projected uses of and serves as a basis for distribution of the monies available in its CWSRF.

During SFY 2007 the State of Missouri expects to be awarded **\$24,275,691** in federal grant funds for the CWSRF program. These federal funds will be matched by state funds from the proceeds of state Environmental Improvement and Energy Resource Authority (EI ERA) bond sales. Since the state match is provided through the sale of these bonds at the time of closing, the reserve for each community is 100 percent federally funded as construction progresses.

Recipients of federal funds totaling greater than \$500,000 are subject to the provisions of the federal Single Audit Act of 1984 and the Single Audit Act Amendments of 1996. These requirements provide the federal government with assurances that the expenditures of federal funds are for their intended purposes and that the disbursement of those funds occur in a timely manner. Final loan documents will include specific information and calculation instructions for the audit.

Applications for assistance are considered based upon the priority ranking criteria contained in 10 CSR 20-4.010. When applications exceed the funds available, projects are listed in priority point order. In order to recognize the efforts of CWSRF applicants to complete their proposed wastewater infrastructure projects, the funding lists consider an applicant's readiness to proceed, in addition to their priority point ranking.

Project Lists

- Fundable Carryover Projects List – The commission shall maintain a carryover list identifying unfunded projects approved for funding in the prior SFY. These projects shall maintain their funding eligibility in the current SFY.
- Fundable Projects List – The fundable list identifies those projects that the commission intends to fund during a given SFY. The commission will not consider placing a proposed project on the fundable list unless the Facility Plan Submittal Checklist is submitted with the facility plan and items one through four on the list are completed. Prior to completion and submittal of a facility plan, the applicant is strongly encouraged to obtain a water quality review from the department. An entity seeking to have a project placed on the Fundable List must have submitted a complete facility plan and information indicating that the public entity has an appropriate debt instrument in place. A debt instrument includes, but is not limited to general obligation bonds, revenue bonds, and/or an annually appropriated debt structure approved by the EI ERA.
- Fundable Contingency Projects List – Identifies projects meeting all programmatic criteria to receive funds. This list is created due to insufficient available funds. Projects will be listed in priority point order regardless of the date which all programmatic criteria are met.
- Contingency Projects List – The contingency project list identifies those projects which may be considered for funding during a given fiscal year if unanticipated or uncommitted funds

become available. Projects will not be considered for the contingency list unless a facility plan/engineering report has been submitted for review.

- Planning List – The planning list identifies all potential loan projects not contained on a fundable priority list. Planning list projects may advance to the contingency or fundable lists, with CWC approval, and the successful completion of the listing criteria: voter passage of bond issues or approval of alternate debt instruments, and submission of a **complete** facility plan.

Projects will be eligible to receive financial assistance subject to final program appropriations, project reviews, and project schedules.

II. Description of the CWSRF Leveraged Loan Program

The flow chart found on page 8 illustrates the flow of funds under the Leveraged Loan Program. An abbreviated explanation of the flow chart is presented in the following paragraphs:

Construction Loan

The loan recipient generates construction funds through the issuance of EIERA Bond (A) based upon the indebtedness issued by each recipient and purchased by EIERA. The net proceeds of the EIERA bond issuance are placed with a trustee bank in a fund titled the “Construction Loan Fund” (B). As construction progresses, monies are released from the Construction Loan Fund to pay contractors, suppliers, and consultants (C). The recipient is obligated to pay back all funds received from the Construction Loan Fund, plus any interest charges and fees that investment earnings do not cover.

The Restricted Account (J) in the Debt Service Fund is used only if funds remain in a participant’s Construction Loan Fund after completion of disbursements. Funds remaining in the Construction Loan Fund after completion of disbursements are transferred to the Restricted Account where they are used to pay debt service on the EIERA Bonds.

Interest Subsidy

The Water and Wastewater Loan Fund (WWLF) (D) is capitalized by grants from the EPA (E) and from the sale of Missouri water pollution control bonds. These monies are transferred to the Reserve Fund (G) for the CWSRF or are used for Direct Loans described elsewhere in this document.

Each time construction funds are released from the Construction Loan Fund (B), funds equal to 70 percent of the released amount are transferred from the WWLF to the Reserve Fund (G), which is held by the trustee bank (H). Investment earnings on the Reserve Fund, Construction Loan Fund and other accounts are used to pay a portion of the interest cost of the EIERA bonds, thus reducing the interest liability of the loan recipient.

State Match

Of the EIERA bonds sold to generate 100 percent of the project costs, an appropriate percentage is identified as state match. The remaining amounts are referred to as leveraged bonds. At the time of a debt service payment, all interest earnings are first used toward the match bond debt service. Any remaining earnings are used to pay debt service on leveraged bonds.

Repayments

Construction loan repayments must begin within one year after the constructed facilities are placed into operation. The payment schedules will generally consist of semi-annual interest payments, and annual principal payments (K). The trustee bank holds the payments in separate recipient accounts (repayment fund) outside the SRF. Interest earnings on these recipient accounts are credited to the debt service account (I) and used when the payment is made to the bondholders (A). When an interest payment is due to the bondholders, the trustee bank will make the payment by combining the recipient's construction loan earnings (B), the interest on the reserve fund (G) and the interest payments by the recipient (K), and transferring them to EIERA's bondholders (A). The trustee bank (I) will make each principal payment (K) from funds paid by the recipient to the trustee. Principal payments will also trigger the transfer of a proportionate amount of the principal in the Reserve Fund (G) back to the proper subaccounts of the Water and Wastewater Loan Revolving Fund (WWLRF)(D). These revolving funds can then be used again to support new construction projects.

Loan Fee

The Department of Natural Resources will charge a loan fee that is calculated as .7143 percent for both CWSRF and DWSRF per annum on the balance in the Reserve Fund. The recipient will pay the loan fees to the Department (L).

Cross-Collateralization of Funds

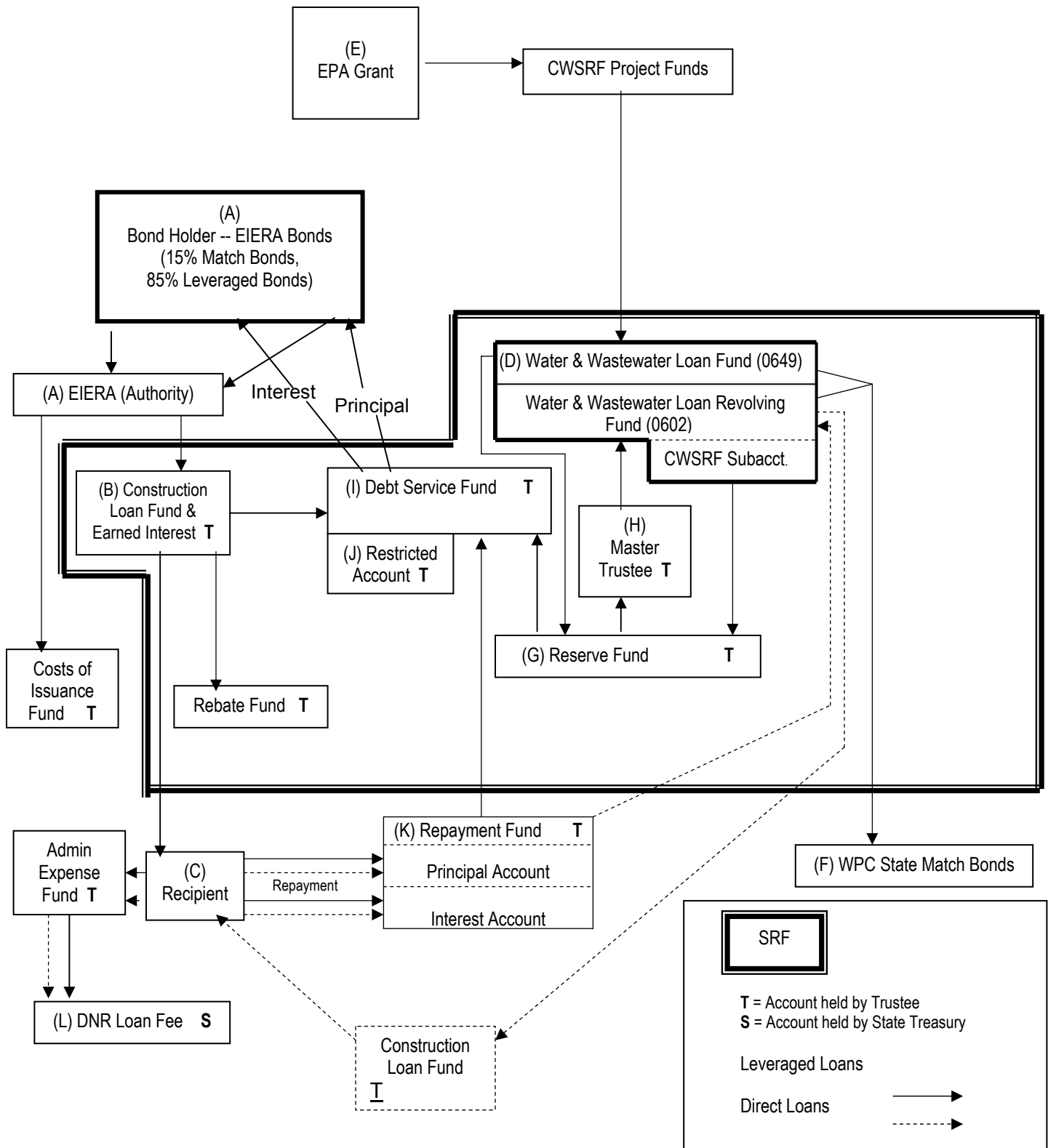
In case of default, the first level of security is the Bond Reserve Fund (reserves of 70 percent). As a further credit enhancement, and to assure the best possible bond rating, the Leveraged Loan Program repayment stream can be captured prior to deposit into the subaccounts of the WWLRF to remedy defaults of any recipient.

The Departments of Veteran Affairs and Housing and Urban Development, and the Independent Agencies Appropriations Act, 1998 (Public Law 105-65) authorized limited cross-collateralization between the Drinking Water State Revolving Fund (DWSRF) and the CWSRF. Cross-collateralization allows states to use CWSRF funds as security for bonds issued to finance DWSRF projects and vice versa. The cross-collateralization of the two funds may enhance the lending capacity of one or both SRFs. State statute 644.122 RSMO provides the state's legal authority to implement cross-collateralization.

When loan recipients make principal payments, the corresponding release of funds from each participant's reserve account will first pass through the Master Trustee to remedy any instance of default that may have occurred on any other SRF project. If no defaults have occurred, the released amount is deposited into the Water and Wastewater Revolving Fund (D – 0602). If a default has occurred, and once it has been remedied by the above-described process, payments are made by the defaulting loan recipient to the fund that provided the default remedy, plus any interest and penalties that accrued to them.

Since only uncommitted repayment funds will be used to remedy defaults (if any) there will be no significant impacts to the short or long-term goals of the program

**CLEAN WATER
MISSOURI STATE REVOLVING FUND
DIRECT AND LEVERAGED LOAN FINANCINGS
Cross-Collateralized Leveraged Loans**



Direct Loans

Direct loans are financed from the Water & Wastewater Loan Revolving Fund (D – 0602). Typically DNR will purchase a participant's bonds with the proceeds being held in a trust account (construction loan fund). Upon DNR review and approval, proceeds are drawn down and paid as costs of issuance and construction related expenses occur. While on deposit with the trustee loan proceeds are invested. Any earnings in excess of the interest rate on the bonds is paid by the trustee to the WWLRF (D-0602). Direct loans do not have a reserve account, nor are they security enhanced by any other SRF structure including the Master Trustee under the leveraged loan program. Debt service reserve funds may be required, however. Both principal and interest repayments from a Direct Loan recipient are deposited into the WWLRF (D-0602) and immediately available for use in accordance with the current IUP.

III. Applicant Information

CWSRF Flow Charts

Communities can achieve more savings if their bonds are included in a pooled issue rather than issued individually. A general schedule of dates for project submittals is developed for each loan closing. At least two loan closings are scheduled each year. Leveraged loan closings are planned for November 2006 and April 2007. Department staff works with each applicant to develop a schedule that allows the project to be financed at the predetermined closing date. The preferred chronology for document submittals is charted on page 16.

The binding commitment and loan closing dates contained in this IUP are preliminary. Dates may change based on individual project development, market conditions, etc.

IV. Goals and Objectives

Each year the department evaluates the operations and the financial structures of the SRF to gauge program effectiveness. Long- and short-term objectives are proposed to improve program services and investment returns. Assessment of the improvement effort is included in the Annual Report. The following sections present the current strategies for program improvement.

Long-Term Objectives

The following Long-Term (3-5 years) Objectives have been developed with the goal of improving the CWSRF's operation and service to its clients.

Objective 1. Conduct year-by-year financial analyses of the availability and use of CWSRF monies. Evaluate the effects of differing program structures on the availability of the CWSRF to provide financial assistance now and in the future.

Objective 2. Promote coordination efforts both within and outside the agency for the purpose of expediting the funding of projects.

Short-Term Objectives

The following Short-Term (1-3 years) Objectives have been developed with the goal of improving the CWSRF's immediate operations and the availability of services to its clients.

Objective 1. Update the project prioritization criteria to include a nonpoint source project ranking criteria.

- As demand for NPS funds grows criteria will be needed to prioritize these projects. Presently funds set aside have exceeded demand, and all eligible projects have been accepted.
- Criteria to consider will include eco-region, geologic sensitivity of the area, waterbody designated uses, total maximum daily load (TMDL) designation, etc.

Objective 2. Develop and implement a Disadvantaged Community Program.

- Issues to be addressed include the definition of a “disadvantaged” community; determination of interest rates and administrative fees, or their waiver; development of a small direct loan program to be used to finance facility plans; and exploration of other available options that would benefit disadvantaged communities.

Objective 3. Continue efforts to streamline program activities in an effort to increase the timely and efficient use of program resources.

- Follow through with the changes initiated during the “Kaizen” waste reduction workshop shortening the application-to-closing process from the present 18 to 24 months to 5.5 months.
- Use waste reduction workshops to analyze additional portions of Clean Water and Drinking Water procedures, including the construction component of projects, change orders, payments and the entire accounting process.
- Revise program checklists and forms to comply with waste reduction recommendations. Changes will clarify required technical information needed for loan applications, and reconcile differing Finding of No Significant Impact (FONSI) processes between RD and DED.
- Develop procedures for loans to be awarded as direct loans immediately upon completion of all requirements, and then folded seamlessly, without additional burden to communities, into a leveraged pool at a later date.

Objective 4. Develop a combined CW and DWSRF annual report for public distribution, separate from the complex, regulatory format required for EPA.

Objective 5. Begin development of a Brownfield CWSRF program.

Objective 6. Environmental Results Initiative

- Begin pre- and post-construction water quality monitoring at key CWSRF project sites, e.g., those on TMDL designated streams, to measure actual water quality protection or improvement.

Objective 7. Consider the financial advisability of completely redeeming the state bonds on which the SRF is presently paying debt service.

Objective 8. Evaluate and recommend SRF-related regulation changes needed to remove unnecessary delays and restrictions, and improve coordination with USDA Rural Development (RD) and the Department of Economic Development (DED) on loan processing.

V. Modifications

After the commission adopts the CWSRF priority lists, it may modify the lists or redistribute the available CWSRF funds in accordance with paragraphs A through D below. The commission may only take this action after providing notice to those projects directly affected.

As stated previously, in accordance with 10 CSR 20-4.040, CWSRF applications must be postmarked or received by November 15 prior to the fiscal year for which SRF assistance is being sought. However, to facilitate the timely and expeditious use of available CWSRF funds, the commission intends to evaluate applications upon receipt and amend the IUP accordingly throughout the state fiscal year.

A. Inadequate Allocations

If the actual federal CWSRF allocations are less than the allocations anticipated by the commission in the development of the CWSRF priority lists, or if previous allocations are reduced, the commission may find it necessary to reduce their commitments to projects on the priority lists or to the various purposes outlined in the appendices. The commission may take formal action to reduce the number of commitments in accordance with subparagraphs 1-3 of this paragraph.

1. The commission may reduce the funds allocated to each purpose as shown on the table found on page 14.
2. The commission may remove the lowest priority projects from the fundable priority lists, placing these projects on the appropriate contingency list in a position dictated by their priority relative to other projects on that contingency priority lists.
3. The commission may bypass projects on the fundable priority lists in accordance with paragraph C of this document.

B. Unanticipated and Uncommitted Funds

If unanticipated or uncommitted funds become available, the commission may take formal action to distribute them in accordance with subparagraphs 1-3 of this paragraph.

1. The commission may use the unanticipated or uncommitted funds to move the highest priority project(s) from contingency priority lists to the proper fundable list.
2. The commission may use the unanticipated or uncommitted funds to increase the amount of funds allocated to the various purposes as shown on the table found on page 14.
3. The commission may increase the amount of funds allocated to projects on the fundable lists or to provide increased assistance to projects which have already received assistance.

C. Project Bypass

The commission may bypass any project on a fundable priority list that is not, in the commission's opinion, making satisfactory progress in satisfying requirements for CWSRF assistance. Such projects will be removed from the fundable priority lists and placed on the proper contingency or planning priority list in a position dictated by the commission. In determining whether a project is making satisfactory progress in

satisfying the requirements for CWSRF assistance, the commission shall use the criteria contained in subparagraphs 1-2 of this paragraph. Funds released through project bypass will be considered uncommitted and available for distribution in accordance with paragraph B of this section.

1. All projects originally on the fundable lists when adopted may be by-passed if the applicant fails to submit the documents required for CWSRF assistance at least 60 days prior to the beginning of the quarter for which the assistance is anticipated.
2. The commission may use individual schedules developed by the Department to determine whether a CWSRF project is making satisfactory progress during the fiscal year.
3. Carryover projects may be automatically bypassed if they do not have all documents submitted and approved on or before **February 1, 2007**. This is the deadline for projects wishing to participate in the **spring 2007** closing which is the last opportunity for these projects to receive their loans within the two-year application cycle. Recovered funds will be immediately available for contingency projects in accord with section V.B.

D. Project Removal

Projects may be removed from the priority list at the request of the applicant, a finding by the department that the project is ineligible for CWSRF assistance, or a finding by the EIERA that the applicant is not eligible for participation in the CWSRF Program.

VI. Use of Funds

The table on page 14 summarizes the state's allocation of federal funds, distribution of those resources, and the amount available for eligible construction for the SFY 2007 CWSRF proposed projects.

Since 1989, the CWSRF has made binding commitments for project costs in excess of \$1 billion. In 1996 the first CWSRF NPS loan program was instituted; nearly \$9 million has been obligated to NPS projects in the intervening years.

SFY 2007's IUP contains NPS loan requests of \$12,166,396. In addition, one million dollars has been set-aside for the development of additional NPS loan programs.

The department anticipates the development and implementation of a Disadvantaged Community Facility Plan Loan Program during SFY-2007. Funds being set aside for the initial steps of program development total \$150,000.

The CWSRF leveraged loan project lists for the funds are found on pages 22-25 of this document. These lists contain project applicants for leveraged loans from the CWSRF. A list showing direct loans from CWSRF repayments, including NPS projects, is found on pages 26-28.

Section 602 of the Safe Drinking Water Act Amendments of 1996 authorizes the transfer of funds between the Clean Water State Revolving Funds and the Drinking Water State Revolving Funds. For SFY 2007, the department is not planning to transfer funds.

VII. CWSRF Sources of Funds

The estimated sources and anticipated distribution of funds can be found in the table on the next page.

Funds Available

The Clean Water SRF program expects to have approximately \$134.0 million available in resources for financing during this SFY. The estimate includes carry-over monies from previous years, repayments, interest earnings on investments of CWSRF resources and the estimated federal capitalization grant for Federal Fiscal Year (FFY) 2006.

For the SFY 2007 IUP financing period, the Department will use \$100,000 of the 4 percent program administration set aside from the FFY 2006 federal capitalization grant for an independent audit in cooperation with the Environmental Protection Agency. The remaining FFY 2006 federal capitalization grant funds will be used to finance projects. Costs of program administration will be paid from prior year program administration set aside funds or fees charged to CWSRF recipients.

Distribution of Capitalization Grant and Loan Repayment Funds

Funds will be distributed to projects that are moved to the Fundable List by the Clean Water Commission.

FISCAL YEAR 2007 INTENDED USE PLAN				
SOURCES AND DISTRIBUTION OF FUNDS				
	Current	Anticipated	Balance	
Capitalization Grants Funds				
2003	\$ 6,154,092			
2004	\$ 37,452,477			
2005	\$ 29,872,359			
2006		\$ 24,275,691	\$97,754,618	
Repayment Funds	\$208,850,458	\$ 39,999,543	\$248,850,001	
Total Funds			\$346,604,619	
Administration (Independent Audit)		\$ 100,000	\$(100,000)	
Loan Commitments	\$136,872,372		\$(136,872,372)	
Match Bond Debt Service ¹				
Remaining Principal Due	\$ 13,507,500			
Interest Due through SFY 2007		\$ 589,491	\$ (14,096,991)	
Spring 2006 Leveraged Loan Pool		\$ 61,500,355	\$ (61,500,355)	
Available for Loans			\$ 134,034,901	
Direct Loans Planned		\$ (1,919,414)		
NPS Direct Loans Planned		\$ (12,166,396)		
NPS New Initiatives		\$ (1,000,000)		
Disadvantaged Community Program		\$ (150,000)	\$ (15,235,810)	
Total Available to Leverage			\$ 118,799,091	
Total Available for Construction			\$ 169,712,987	

1. Debt service for the 2002A State Match Bond. The amount shown for interest due for SFY 2008 paid in SFY 2007. This amount does not include interest due for SFY 2009 forward.

Distribution of Loan Administration Fees

On October 20, 2005 the Environmental Protection Agency issued guidance relative to the administration fees charged by the state to recipients of CWSRF program assistance. Fees charged by the Missouri CWSRF program are not included as principal in loans. Dependent upon the source of the loan, as well as the timing of the receipt of the administration fee, the administration fee is considered to be program income. As shown in the following table, the administration fees collected are considered as:

- program income earned during the Capitalization Grant period;
- program income earned after the Capitalization Grant period, or;
- non-program income.

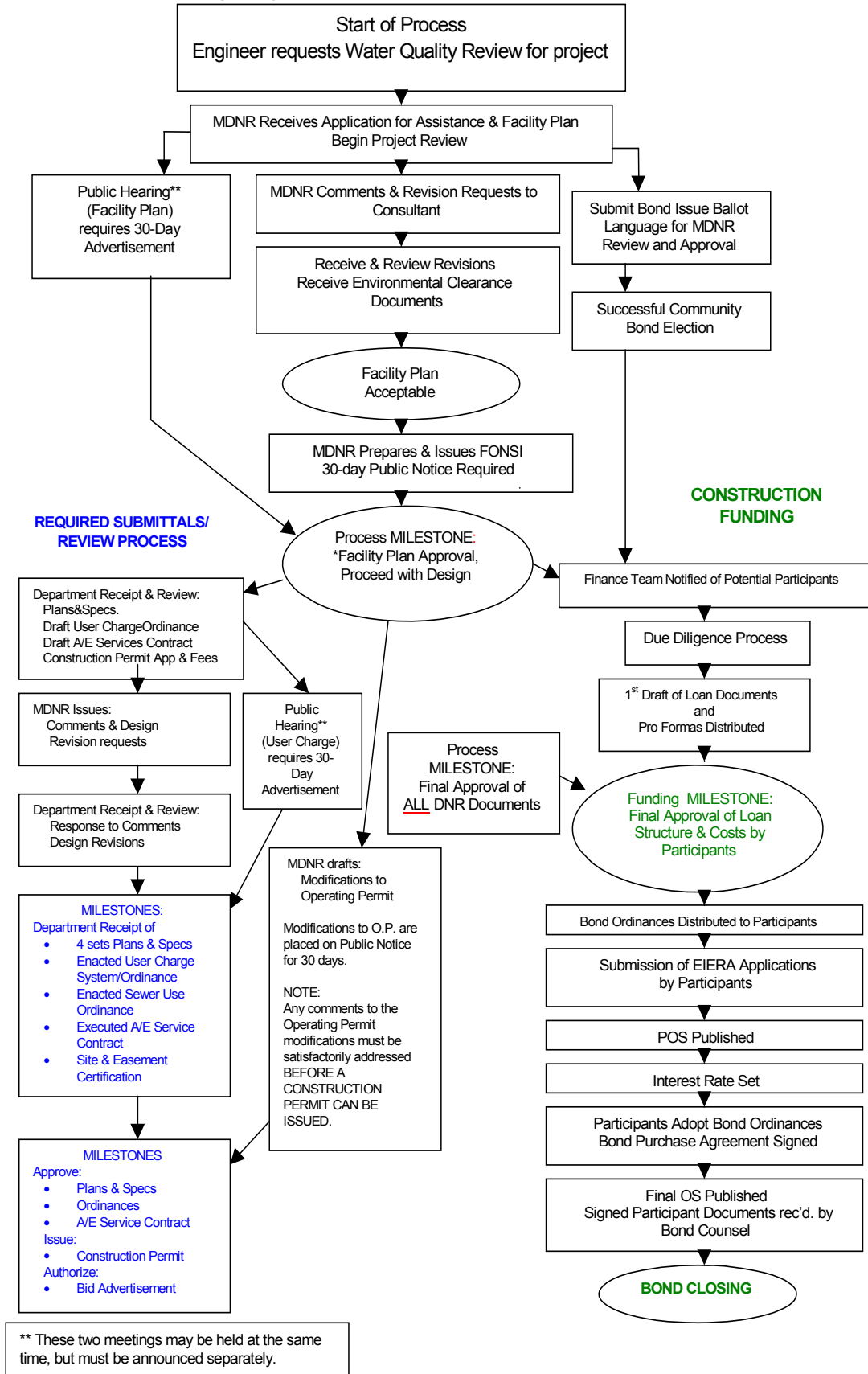
“During the grant period” is defined as “the time between the effective date of the grant award and the ending date of the award reflected in the final grant financial report.”

Program income earned during the grant period may only be used for eligible CWSRF activities, as defined in the Federal Clean Water Act, and CWSRF program administration. Program income earned after the grant period, as well as non-program income, may be used for a broad range of water-quality related purposes. The state must obtain approval from the Environmental Protection Agency to use program income earned after the grant period for water-quality related activities other than those currently identified as being CWSRF eligible.

SOURCE AND DISTRIBUTION OF FUNDS						
LOAN ADMINISTRATION FEES						
		Program Income Earned During Grant Period		Program Income Earned After Grant Period		Non-Program Income
Income						
Current Cash (thru 03/31/06)		\$ 7,925,370		\$ 3,398,345		\$ 1,668,946
Anticipated (04/01/06 thru 06/30/06)		\$ 0		\$ 19,300		\$ 1,910
Anticipated (07/01/06 thru 06/30/07)		\$ 1,723,863		\$ 1,012,584		\$ 1,284,037
Total Funds		\$ 9,649,233		\$ 4,430,229		\$ 2,954,893
Expenses						
Program Administration						
04/01/06 thru 06/30/06		\$ 644,130				
07/01/06 thru 06/30/07		\$ 2,673,075		\$ 277,288		
Estimated Balances		\$ 6,332,028		\$ 4,152,941		\$ 2,954,893

Flow Chart* for the State Revolving Fund

(*following Facility Plan Approval, flows/timelines are contemporaneous)



** These two meetings may be held at the same time, but must be announced separately.

VIII. State Assurances and Proposals

A. Administrative Costs

For the SFY 2007 IUP financing period, the department will not use the 4 percent program administration set-aside from the FFY 2005 federal capitalization grant for administration. Instead, these funds will be used to finance projects. The department intends to use \$100,000 of the 4 percent program administration set-aside from FFY 2006 federal capitalization grant for an independent audit in cooperation with the Environmental Protection Agency. General costs of administration will be paid from fees charged to CWSRF recipients. However, the department reserves the right to use additional funds from the 4 percent program administration set-aside should the need arise.

B. Public Review and Comment

The IUP and priority list will be reviewed and adopted through a public review and comment process in accordance with 40 CFR Part 25.

C. Environmental Review

The Department has adopted regulation 10 CSR 20-4.050, which provides for a National Environmental Policy Act (NEPA) like review for all projects receiving CWSRF loans.

D. First Use for Enforceable Requirements

EPA's CWSRF guidance requires states to have the national municipal policy (NMP) facilities either under construction or on enforceable schedules prior to using CWSRF funds for non-NMP projects. Missouri satisfied this requirement in December 1989.

E. Compliance with Title II

The Commission assures that all CWA CWSRF requirements were met by the designated equivalency projects in prior IUPs.

F. Binding Commitments

The Department will enter into binding commitments (loans) for a minimum of 120 percent of each EPA grant payment into the CWSRF within one year of the receipt of each payment.

G. Expenditure of Funds

The Department will expend all funds in the CWSRF in an expeditious and timely manner.

H. Potential for Environmental Impact Statements

All of the proposed fundable list projects have a low potential need for preparation of an environmental impact statement. A final decision regarding the need for an EIS will be made on each project during review of the facility plans.

I. Description of Assistance

For projects listed in this IUP, the CWSRF assistance will be in the form of loans with a target interest rate of 30 percent of market and an annual fee of .7143 percent of the Water and Wastewater Loan Fund or the Water and Wastewater Loan Revolving Fund contribution remaining in the Reserve Fund. Short-term loans will be for a one-three year period. Long-term loans will be for up to 20 years.

J. Carryover Projects

Unfunded projects which filed an original application by November 15, 2004 were automatically carried into the SFY 2007 IUP unless the commission removed the project under the provisions of V.C. (Bypass) or V.D. (Removal) of this document or the proposed loan recipient has requested to be removed.

Carryover projects in the SFY 2007 IUP are not eligible to compete in the SFY 2008 IUP unless reapplication is made by November 15, 2006.

FEDERAL LEVERAGED & DIRECT LOAN PROGRAMS

FEDERAL LEVERAGED AND DIRECT LOAN PROGRAMS:

Two programs funded by federal resources are available for the financing of clean water projects: the leveraged loan program, and the direct loan program, which includes loans for NPS projects. Submittal deadline for these programs, established by state regulations, is November 15. However, SRF staff will accept and process applications as received during the year. Financial information submitted by the applicants determines which loan program best meets the applicant's needs and financial capability.

The EPA has approved a class deviation from 40 CFR 35.3125 (b)(1). The class deviation allows for non-federal, non-state match CWSRF funds to provide loans that can be used to satisfy the local match requirement for most EPA grant-funded treatment works projects, including special Appropriations Act projects. This change can be applied to any EPA grant-funded treatment works project, other than a construction grant project, regardless of the date of the grant award, or the date that funds were appropriated for the project.

Clean Water SRF Leveraged Loans

Missouri's CWSRF program offers low-interest loans for wastewater treatment improvements. The commission, the department and the EI ERA are cooperating to maximize the amount of construction which can be supported by the CWSRF. Through the combined efforts of these agencies, Missouri can expect to achieve approximately \$1.43 of construction for each \$1 of available EPA and state-matching funds. This cooperative program to increase the amount of construction is referred to as the "Leveraged Loan Program." The terms of the loan program are outlined below.

- Loan Term 0 to 20 years
- Interest Rate 30 percent of market rate
- Loan Fees .7143 percent per Annum on Reserve Fund

The Leveraged Loan Program is available to communities that are financially able to support repayment of a loan. A flowchart outlining the application, review and bond closing processes is found on page 16. These loans are made possible by the federal capitalization grants awarded to the state. Capitalization grant funds are supplemented with matching funds equal to 20 percent of the annual grant amount. The matching funds are generated by the sale of EI ERA bonds.

**CLEAN WATER SRF LEVERAGED LOAN PROGRAM
SFY 2007 FUNDABLE CARRYOVER PROJECTS**

Applicant	Project #	Description	Priority Points	Eligible Costs	NPDES#	Problem Code	Financing Schedule SFY-Qtr	Needs Category	Initiation of Operations
Available Funds				\$ 169,712,987					
Jefferson City*	C295401-05	Coll, LS, Rehab	157.39	9,295,000	MO-0094846	4	07-4	IIIA, IIIB, IVA, IVB	08-4
Boone County RSD*	C295375-05	Coll, I, PS	114.43	4,510,000	All	4	07-4	I,IVA, IVB	08-4
Moberly*	C295178-04	TP, Rehab, Coll	77.28	3,400,000	MO-0117960	1, 3, 4	07-4	I, IIIB	08-4
La Plata*	C295392-02	TP, Coll, I	41.72	2,000,000	MO-0058246	5	07-4	I, IVA, IVB	08-4
Kearney*	C295249-03	TP	39.58	6,250,000	MO-0107833	5	07-4	I	09-4
Raytown*	C295506-03	Coll, I, I/I	0.71	5,534,278	N.A.	1, 4, 5	07-2	IIIA, IIIB, IVA, IVB	08-4
Total Fundable Carryover Projects				\$ 30,989,278					
Balance Forward				\$ 138,723,709					

SFY 2007 FUNDABLE PROJECTS (APPROVED DEBT INSTRUMENT SECURED & FACILITY PLAN SUBMITTED)

Applicant	Project #	Description	Priority Points	Eligible Costs	NPDES#	Problem Code	Financing Schedule SFY-Qtr	Needs Category	Initiation of Operations
Balance Forward				\$ 138,723,709					
Warrensburg*	C295510-01	TP, Rehab	232.26	14,148,000	All	5	07-2	I, IIIB	08-2
Buffalo	C295371-02	TP Rehab	222.14	3,762,100	MO-0094854	1,3,5	07-4	I,II	08-4
Ozark (Elk Valley WWTP)*	C295505-02	TP, I	128.72	14,140,800	New	5	07-4	I,II,IVB	09-2
Rolla (SW WWTP)*	C295517-01	TP	102.39	3,480,000	MO-0047023	3,5	07-02	I,II	08-2
Linn*	C295478-01	TP, Coll, I/I, Rehab	101.77	2,000,000	MO-0051551	4	07-2	I, II, IVB	08-2
Fair Grove*	C295501-01	TP, I/I	96.57	672,100	MO-0111708	5	07-2	I, IIIA	08-2
Columbia*	C295499-01	I	89.55	7,971,100	MO-0023281	4	07-2	I,IIIA,IIIB,IVA,IVB	08-2
Jackson*	C295247-03	I, PS	82.05	9,700,000	MO-0022853	5	07-4	IVB	08-4
Nevada	C295010-01	TP	68.87	5,200,000	MO-0089109	5	07-2	I, II	08-3
Weston*	C295511-01	TP, Coll, I/I	64.67	801,000	MO-0031585	5	07-02	I, IIIA, IVA	08-2
Greenfield	C295425-03	PS, FM, I, Rehab	41.14	240,000	MO-0055638 MO-0055590	5	07-2	IIIB,IVA,IVB	07-2
MSD (Lemay WWTP Wet Weather Exp. 2003067 Phase I)	C295023-24	TP	4.02	76,608,609	MO-0025151	1, 2, 3, 5	07-2	I	08-4
Total Fundable Projects				\$ 138,723,709					
Balance Forward				\$ 0					

CLEAN WATER SRF LEVERAGED LOAN PROGRAM

SFY 2007 FUNDABLE CONTINGENCY PROJECTS (APPROVED DEBT INSTRUMENT SECURED & FACILITY PLAN SUBMITTED, INSUFFICIENT FUNDS AVAILABLE)*

Applicant	Project #	Description	Priority Points	Eligible Costs	NPDES#	Problem Code	Financing Schedule SFY-Qtr	Needs Category	Initiation of Operations
MSD (Lemay WWTP Wet Weather Exp. 2003067 Phase I)	C295023-24	TP	4.02	12,991,319	MO-0025151	1, 2, 3, 5	07-2	I	08-4
Kansas City WSD (Turkey Creek PS)	C295248-14	Rehab	0.48	10,666,000	MO-0024949	5	07-2	IIIB	08-2
Total Fundable Contingency Projects				\$ 23,657,391					

* Projects will be listed in priority point order regardless of the date which all programmatic criteria are met.

CONTINGENCY PROJECTS (FACILITY PLAN SUBMITTED)

Applicant	Project #	Description	Priority Points	Eligible Costs	NPDES#	Problem Code	Financing Schedule SFY-Qtr	Needs Category	Initiation of Operations
Sullivan*	C295185-01	TP	94.03	10,441,000	MO-0104736	1,3,5	07-2	I, II	08-2
Bolivar	C295458-02	PS, I/I, I	81.81	4,144,800	MO-0022373	5	07-4	IIIA,IIIB,IVB	08-4
Sikeston*	C295323-02	TP, PS, FM, I&I	60.80	7,000,000	MO-0035009	4,5	07-4	I,IIIA,IVB	08-4
Holts Summit	C295192-03	TP, PS, I, Coll	55.22	4,505,000	MO-0106810	4,5	07-4	I,II,IVA,IVB	08-4
Dexter*	C295500-01	TP	42.41	3,500,000	All	5	07-4	I	08-4
Garden City	C295283-02	PS, FM, Coll	40.49	921,545	MO-0046647	5	07-2	IVB	08-2
Total Contingency Projects				\$ 30,512,345					

CLEAN WATER SRF LEVERAGED LOAN PROGRAM

PLANNING LIST

Applicant	Project #	Description	Priority Points	Eligible Costs	NPDES#	Problem Code	Financing Schedule SFY-Qtr	Needs Category	Initiation of Operations
Ashland	C295385-01	TP, I/I, Coll	94.10	700,000	MO-0106844	5	07-2	I, II, IIIA, IVB	08-2
Bonne Terre	C295281-02	TP, I/I, Rehab	121.23	2,110,000	MO-0100706	1,3	08-2	I, II, IIIA	09-2
Boone County RSD*	C295375-06	Coll, I, PS	114.43	12,507,808	All	4	07-2	I, IVA, IVB	08-2
California	C295261-03	TP	71.46	4,414,000	MO-0023281	5	07-4	I, II, IIIA, IVB	08-4
Cole Camp*	C295498-01	TP, Coll, I/I	69.77	850,000	MO-0056626	4	07-2	I, IIIA, IVA	08-2
Franklin County PWSD#1 (Pottery Road)	C295325-02	Coll, LS, TP Rehab	44.91	1,500,000	MO-0112828	1,4,5	07-4	I, IVA	08-4
Highlandville Phase II*	C295487-01	TP, Coll, I	69.41	1,338,800	MO-0128091	4	07-3	I, IVA, IVB	08-3
Houston	C295491-01	TP, I/I, I, Rehab	163.46	2,955,000	MO-0039675	3, 5	07-4	I, II, IIIB, IVB	08-4
Kirksville*	C295250-08	Rehab	109.8	875,000	MO-0049506	4	07-4	IIIB	08-3
Lake Ozark*	C295502-01	Coll	6.96	1,026,325	N/A	4	07-4	IVA, IVB	08-4
Milan	C295343-01	TP	129.20	2,500,000	MO-0048151	5	07-4	I	08-4
Mt. Vernon	C295071-02	TP, I/I, Rehab	106.43	5,712,000	MO-0022381	5	07-4	I, IIIA	09-2
Pike Creek Common Sewer District	C295480-01	Coll	58.56	2,000,000	MO-0124427	4	05-2	IVA, IVB	06-2
Pulaski Co. S.D. No. 1 (Ware Hollow)	C295320-07	TP, Coll, I	13.75	5,100,000	Multiple	2, 4	07-4	I, IVA, IVB	09-2
Pulaski Co. S.D. No. 1 (Weeks Hollow WWTP)	C295320-06	TP	61.93	5,220,000	MO-0111716	5	07-4	I	09-2
Rogersville*	C295507-01	TP	81.34	2,229,000	MO-0102679	5	07-4	I, II	08-4
Seneca*	C295210-02	TP	115.26	4,657,400	OK-0030236	5	07-4	I, II	09-2
Stockton*	C295509-01	TP, Coll, PS, Rehab	132.18	3,059,800	MO-0055280	3, 5	07-4	I, II, IIIB, IVA	08-4
Taney Co. Regional S.D. (Ozark Beach, Powersite N, Venice)	C295219-06	Coll, PS, FM, I	121.26	18,565,939	N.A.	3,4	07-4	IVA, IVB	08-4
Walnut Grove	C295518-01	TP, Coll, I, Rehab	90.19	850,000	MO-0107174	5	08-2	I, IIIA, IIIB, IVB	09-1
Windsor*	C295512-01	Coll, I, PS, FM, Rehab	96.44	1,056,500	All	5	08-2	IIIB, IVA, IVB	09-1
Total Planning Projects				\$ 79,227,572					

ABBREVIATIONS AND CODES

Problem Codes	Needs Codes	Description Reference List
1-NPDES Permit Violation	I Secondary Treatment	Coll Collection
2-Unpermitted Discharge	II Advanced Treatment	Det Detention
3-Water Quality Stds. Violation	IIIA I/I correction	Exp Expansion
4-Public Health problems	IIIB Sewer replacement or rehab	FM Force Main
5-Future NPDES violation expected	IVA New Collection	Impr Improvements
	IVB New Interceptors	I Interceptor
	V CSO	NPDES National Pollution Discharge Elimination System

Notes:

Final eligible costs will be determined as documents are submitted and the project is closer to financing.

Financing schedule shown is for planning purposes only. Final scheduling will be determined as documents are submitted and approvals obtained.

An * indicates the project is carried over from last years IUP.

Carry over projects from the SFY 2006 list must reapply to be considered for the SFY 2008 list.

CLEAN WATER SRF DIRECT LOANS

Direct loans are financed with funds from the CWSRF repayment account. Direct loans can be offered as interim financing to meet project costs incurred prior to loan closing in the Leveraged Loan Program. They can also be offered to communities ineligible for participation in the leveraged loan program. In addition, we have used direct loans to finance a variety of eligible nonpoint source projects and used the direct loans as a match to the Forty-Percent grants as established in accordance with 10 CSR 20-4.041.

Interim Loans

Direct loans may be offered as interim loans on a case-by-case basis. Interim loans are offered as a means to provide funding for the development of plans and specifications and/or to initiate construction activities. Interim direct loans may also be offered to communities that do not meet the criteria for a leveraged loan but anticipate meeting those criteria in the future. For more information on the SRF Leveraged Loan Program or the SRF Direct Loan Program, contact Doug Garrett at: (573) 751-1192.

Match to Forty-Percent Grant

The Direct Loan Program to match forty-percent grants is established in accordance with 10 CSR 20-4.041. This is a voluntary program and only available to communities receiving a Forty Percent State Construction Grant. It is designed to accelerate the construction of wastewater treatment facilities by providing a single funding source for the eligible communities. Funds have been conditionally set-aside for the SFY 2007 projects. When available monies are not adequate to fund all applications remaining projects are placed on a contingency list. All lists are determined based on priority point ranking. The loan amount is directly proportional to the grant amount and cannot exceed the amount as calculated in accordance with 10 CSR 20-4.041(G).

In accordance with the regulation, applicants on the State Forty-Percent Grant fundable list may apply for a low interest loan on the same application. The loan amount is limited to the amount of the grant divided by 0.4, less the grant amount, plus approved costs of issuance and capitalized interest. To participate in the direct loan program there must be a bond authorization from the voters, user rates must be \$35 or less, and all necessary approvals must be obtained from the Department. Two of the applicants are also listed on the fundable list for a direct loan to match their grant. The SFY 2007 IUP proposes obligating \$1,919,414 in direct loan matches to the fundable 40% grants.

SFY 2007 DIRECT LOAN MATCH to 40% GRANT FUNDABLE LIST

	Applicant	Application Year	Project Number	Description	Priority Points		Loan Amount	Anticipated Fund Balance
								\$0
c/o	St. Elizabeth	05	C295482-01 (SG-465)	TP/Coll	88.74	NPS	\$893,420	(\$893,420)
c/o	Gordonville	05	C295449-01 (SG-455)	TP/Coll	66.48	NPS	\$1,025,994	(\$1,919,414)
	BALANCE							(\$1,919,414)

c/o indicates project was carried over from last year's IUP.

Nonpoint Source Loans

One million dollars has been set aside for new NPS initiatives in this IUP. Financial Assistance Center staff are working to develop the financial structures necessary to make low-cost funding available to address other NPS pollution problems. Possible financial structures include pass-through or conduit lending, loan guarantees, linked deposits or direct loans. Descriptions of existing NPS programs are in the following paragraphs.

Financial resources from the SRF can be made available to address any NPS pollution problem that is defined in the state's NPS Management Plan. NPS water pollution occurs in Missouri from agricultural sources, failed on-site wastewater treatment systems, local contamination of potable water table aquifers, abandoned water wells, and many other sources.

Failed on-site wastewater treatment systems (OWTSs) are a widespread, nonpoint source of pollution in the state. Financial assistance to contend with failed OWTSs is not available to homeowners from any state agency. The Department's staff are investigating ways to develop funding mechanisms that will help the homeowner upgrade, repair or replace failing individual home treatment systems, where connection to centralized wastewater treatment is unavailable.

For information regarding the Direct Loan Program to match forty-percent grants or SRF funding of NPS projects of any type, contact Carrie Schulte (573) 526-8403.

MASBDA Animal Waste Treatment System Loan Program

The CWSRF currently funds a loan program through the Missouri Department of Agriculture for the construction of animal waste treatment facilities. Loans for animal waste treatment facilities are awarded to the Missouri Agriculture and Small Business Development Authority (MASBDA) which in turn loans the funds to livestock and dairy producers for animal waste treatment facilities.

For information regarding the MASBDA Animal Waste Treatment System Loan Program, contact MASBDA at (573) 751-2129.

Brownfield Cleanup

SRF monies may be loaned for Brownfield cleanup if the project can result in a benefit to local water quality and if the category of problem is identified in Missouri's NPS Management Plan. SRF funds can be used in conjunction with a number of other state and federal funding sources to affect the clean up of a Brownfield site. The Department's Voluntary Cleanup Program provides technical oversight for Brownfield remediation. Additional financial incentives (tax rebates or credits) may be obtained through the Missouri Department of Economic Development's Brownfield Redevelopment Program.

For information regarding SRF funding of Brownfield redevelopment projects, contact: Carrie Schulte (573) 526-8403.

For information regarding the Voluntary Cleanup Program, direct your calls to Christine O'Keefe at (573) 751-7538. For information on the Department of Economic Development's Brownfield Redevelopment program, you may contact Michelle Linder at (573) 751-4180.

NONPOINT SOURCE DIRECT LOAN PROJECT LIST

Applicant	Project #	Description	Priority Points	Eligible Costs	NPDES#	Problem Code	Financing Schedule SFY-Qtr	Needs Category	Initiation of Operations
Nonpoint Source Initiative				1,000,000					
Cassville (Hilltop/Southern Hills NID)*	C295473-03	Coll, I	101.16	1,362,550	MO-0042579	4	07-2	IVA, IVB	07-4
Ozark Clean Water Company	C295517-01	NPS	51.28	500,000	N.A.	4	07-1	VII-L	07-4
Boone County Commission	C295299-01	Coll	47.75	2,205,346	N.A.	5	07-4	IV-A, VII-L	08-4
Jefferson County (Hoene Springs NID)	C295409-01	TP, Coll, I	11.95	3,100,000	New	4	07-4	IV-A, VII-L	08-4
Normac Sewer District (Camden County)	C295519-01	TP, Coll, I	9.66	150,000	New	4	07-4	IV-A, VII-L	08-4
Bradleyville*	C295513-01	TP, Coll	4.02	848,500	N.A.	4	07-4	VII-L	08-4
Missouri Agriculture & Small Business Development	C295212-03	NPS		4,000,000	N.A.	3	07-2	VII-B	08-2
Total Nonpoint Source Direct Loan Projects				\$ 13,166,396					

ABBREVIATIONS AND CODES

Problem Codes	Needs Codes	Description Reference List
1-NPDES Permit Violation	I Secondary Treatment	Coll Collection
2-Unpermitted Discharge	II Advanced Treatment	Det Detention
3-Water Quality Stds. Violation	IIIA I/I correction	Exp Expansion
4-Public Health problems	IIIB Sewer replacement or rehab	FM Force Main
5-Future NPDES violation expected	IVA New Collection	Impr Improvements
	IVB New Interceptors	I Interceptor
	V CSO	NPDES National Pollution Discharge Elimination System
	VII-B NPS Control: Agriculture (Animals)	
	VII-L NPS Control: Onsite/Decentralized Wastewater Systems	

Notes:

Final eligible costs will be determined as documents are submitted and the project is closer to financing.

Financing schedule shown is for planning purposes only. Final scheduling will be determined as documents are submitted and approvals obtained.

An * indicates the project is carried over from last years IUP.

Carry over projects from the SFY 2006 list must reapply to be considered for the SFY 2008 list.

STATE FUNDED GRANT & LOAN PROGRAMS

STATE FUNDED GRANT AND LOAN PROGRAMS

Forty-Percent Construction Grant Program

The Clean Water Commission developed the State Forty Percent Construction Grant Program to provide assistance to those communities ineligible for the leveraged loan program. As described in the introduction to this document, the department evaluated and assigned projects to the SRF loan list or the Forty Percent grant list based on the financial information submitted by the community.

Continued funding for the Forty Percent Construction Grant program in state fiscal year 2007 is dependent on the sale of State Water Pollution Control Bonds. If the state proceeds with a bond sale during this IUP cycle (July 1, 2006 through June 30, 2007), the applicants shown on the fundable list will be considered. If the bonds are sold, the total amount of new funds offered will be \$3 million. The grant amount for the Forty Percent Construction Grant program is limited to one-third (\$1 million) of the actual grant funds appropriated or up to 40 percent of the eligible project cost.

The Forty Percent Construction Grant program has retained \$1million from a previous bond sale to be used for the South West City project. This amount has been carried over from the FY 2006 IUP. In addition, there have been interest earnings and recoveries from completed projects that increase the available cash for projects to \$1,305,500.

The fundable and contingency lists for the Forty Percent Grant program appears on the following page. Projects are listed in priority point order. There are 20 projects shown on the FY 2007 State Forty Percent Grant lists. If bonds are sold, funding will be available for five projects shown on the Fundable List. Fifteen projects appear on the contingency list.

Applicants that desire to proceed with their projects rather than wait for the state's decision to fund the Forty Percent Grant program with a bond sale should request to be moved from this Forty Percent Grant list to the SRF list and to be considered for that low cost financing. Applicants with very low priority points may wish to be moved to the SRF list immediately.

South West City reapplied for funding in the event that their project is not bid during the SFY 2006 IUP cycle that ends on June 30, 2006. All funding is in place for the South West City project and the project is proceeding. In light of this, the CWC has allowed this project to remain on the fundable list.

Plato has secured the greater part of the necessary funding for their project. They have asked to be considered for the remaining \$305,500 in previously sold bonds. Since they have the highest priority points, they are shown as second on the fundable list.

There were two carryover applications: **St. Elizabeth** and **Gordonville**. These projects remain on the fundable list for two years.

Gravois Arm Sewer District submitted a new application for consideration. They are shown on the fundable list because their priority points were higher than any other carryover or new application.

For more information on the State Forty-Percent Grant Program, contact Joy Reven at: (573) 751-2735.

SFY 2007 FORTY PERCENT GRANT FUNDABLE LIST

	Applicant	App. Year	Project Number	Description	Priority Points	Eligible Costs	Grant Funds	Anticipated Fund Balance
								\$4,305,500
^	South West City	07	SG-461	TP/Coll	Special	2,502,100	1,000,000	3,305,500
*	Plato	04	SG-483	TP/Coll	103.98	1,494,200	305,500	3,000,000
c/o	St. Elizabeth	05	SG-465	TP/Coll	88.74	1,795,700	718,280	2,281,720
c/o	Gordonville	05	SG-455	TP/Coll	66.48	1,709,990	683,996	1,597,724
	Gravois Arm S.D.	07	SG-482	TP/Coll	83.44	1,000,000	1,000,000	597,724
	BALANCE							\$597,724

^ - South West City reapplied. Special consideration has been given this project.

* - Plato is a carryover project that has reduced their initial request to secure the balance of bond funds

c/o - Indicates the project has been carried over from last year's IUP.

SFY 2007 FORTY PERCENT GRANT CONTINGENCY LIST

	Applicant	App. Year	Project Number	Description	Priority Points	Eligible Costs	Grant Funds	Anticipated Fund Balance
								\$597,724
c/o	Wright Co PWSD #1	05	SG-473	TP/Coll	64.31	2,101,310	840,500	(242,776)
c/o	Washington Co PWSD #4	05	SG-481	TP/Coll	63.98	1,378,685	550,000	(792,776)
	Preston	07	SG-477	TP/Coll	63.87	3,596,250	1,000,000	(1,792,776)
c/o	Southeast SD (Warrensburg)	05	SG-479	Collection	61.29	1,711,250	684,500	(2,477,276)
	Pemiscot Co SD	07	SG-474	Collection	59.98	2,500,815	1,000,000	(3,477,276)
c/o	Cross Timbers	05	SG-485	TP/Coll	58.97	1,599,319	623,368	(4,100,644)
c/o	Fremont Hills	05	SG-462	TP/Coll	47.93	1,512,500	605,000	(4,705,644)
c/o	Stoddard Co. Common SD #1	05	SG-472	Collection	30.79	4,841,500	1,000,000	(5,705,644)
c/o	Jerico Springs	05	SG-475	TP/Coll	29.73	2,110,123	794,940	(6,500,584)
c/o	Pineville	05	SG-396	Collection	26.08	949,500	379,800	(6,880,384)
c/o	Oakwood	05	SG-471	Collection	23.26	1,246,390	498,556	(7,378,940)
c/o	Blairstown	05	SG-452	TP/Coll	22.67	1,001,000	400,400	(7,779,340)
c/o	Milo	05	SG-476	TP/Coll	21.52	1,140,000	456,000	(8,235,340)
	Rocky Mount SD	07	SG-484	Collection	20.19	3,368,150	400,000	(8,635,340)
c/o	Washington Co PWSD #3	05	SG-480	TP/Coll	15.81	1,076,130	430,452	(9,065,792)

c/o - Indicates the project has been carried over from last year's IUP.

Small Borrower Loan Program

This program is limited to communities under 1,000 population and the loan amount is limited to \$100,000. Loans can be secured by a bond issue or can be annually appropriated debt.

This program was established with \$500,000 in water pollution control bonds and continues with state direct loan repayments. This small revolving fund is state funded exclusively and is not a part of the State Revolving Fund.

For SFY 2007 there is a balance of \$903,968 available. This balance includes all repayments from clean water loans made with state water pollution control bond funds as well as projected interest and repayments through June 30, 2006.

The communities of Lewistown, Summersville, Allendale, and Cowgill have received loan funds from this program. The total of the loans is \$293,500.

Ravenwood is shown on the fundable list. They applied in the Summer of 2005 and were presented to the Clean Water Commission at the September 2005 commission meeting.

Based on outstanding loans, it is projected that approximately \$340,000 will be available annually to loan. Applications are accepted throughout the year. Uncommitted funds can be accessed at any time. To apply, contact Carrie Schulte at (573) 526-8403. Once an application is received and reviewed, it will be presented to the Clean Water Commission for their approval.

SFY 2007 CLEAN WATER SMALL BORROWER FUNDABLE LIST

Applicant	App. Year	Project Number	Description	Loan Amount	Anticipated Fund Balance
					\$903,968
Ravenwood	06	SBS-121-05	TP/Coll	\$100,000	803,968
BALANCE					\$803,968

State Hardship Grant and Loan Program

The State Hardship Grant and Loan Program is not available for SFY 2007.

LIST OF FISCAL YEAR 2007 APPLICANTS

LIST OF FISCAL YEAR 2007 APPLICANTS

APPLICANT	APPLICATION DATE	PRIORITY POINTS	FEDERAL PROGRAM	STATE PROGRAM
Ashland	10/25/2005	94.10	P	
Blairstown	11/15/2004	22.67		C-Cont
Bolivar	11/14/2005	81.81	Cont	
Bonne Terre	11/17/2005	121.23	P	
Boone County Commission	11/14/2005	47.75	NPS-D	
Boone County RSD	11/15/2004	114.43	C-Fund	
Bradleyville	11/15/2004	4.02	C-NPS-D	
Buffalo	11/14/2005	222.14	Fund	
California	11/14/2005	71.46	P	
Cassville (Hilltop/Southern Hills NID)	11/15/2004	101.16	C-NPS-D	
Cole Camp	11/15/2004	69.77	C-P	
Columbia	11/15/2004	89.55	C-Fund	
Cross Timbers	11/15/2004	58.97		C-Cont
Dexter	11/15/2004	42.41	C-Cont	
Fair Grove	11/15/2004	96.57	C-Fund	
Franklin County PWSD#1 (Pottery Road)	10/26/2005	44.91	P	
Fremont Hills	11/15/2004	47.93	C-D-Cont	C-Cont
Garden City	11/16/2005	40.49	Cont	
Gordonville	11/15/2004	66.48	C-D	C-F
Gravois Arm Sewer District	11/17/2005	83.44		C-F
Greenfield	10/11/2005	41.14	Fund	
Highlandville Phase II	11/15/2004	69.41	C-P	
Holts Summit	9/22/2005	55.22	Cont	
Houston	11/17/2005	163.46	C-P	
Jackson	11/15/2004	82.05	C-Fund	
Jefferson City	11/15/2004	157.39	C-Fund	
Jefferson County (Hoene Springs NID)	11/10/2005	11.95	NPS-D	
Jerico Springs	11/15/2004	29.73		C-Cont
Kansas City WSD (Turkey Creek PS)	11/15/2005	0.48	Fund-Cont	
Kearney	11/15/2004	39.58	C-Fund	
Kirksville	11/15/2004	109.80	C-P	
La Plata	11/15/2004	41.72	C-Fund	
Lake Ozark	11/15/2004	6.96	C-P	
Linn	11/15/2004	101.77	C-Fund	
Milan	11/14/2005	129.20	P	
Milo	11/15/2004	21.52		C-Cont
Missouri Agriculture & Small Business Development	01/19/2006		C-NPS-D	
Moberly	11/15/2004	77.28	C-Fund	
MSD (Lemay WWTP Wet Weather Expansion – 1)	11/15/2005	4.02	Fund	
MSD (Lemay WWTP Wet Weather Expansion – 2)	11/15/2005	4.02	Fund-Cont	
Mt. Vernon	11/17/2005	106.43	P	
Nevada	11/14/2005	68.87	Fund	
Normac Sewer District	11/14/2005	9.66	NPS-D	
Oakwood	11/15/2004	23.26		C-Cont
Ozark	11/15/2004	128.72	Fund	
Ozark Clean Water Company	9/26/2005	51.28	NPS-D	
Pemiscot County Sewer District	11/07/2005	59.98		Cont
Pike Creek Common Sewer District	11/17/2005	58.56	P	
Pineville	11/15/2004	26.08		C-Cont
Plato	11/15/2003	103.98		C-F
Preston	11/7/2005	63.87		Cont
Pulaski Co. S.D. No. 1 (Ware Hollow)	11/14/2005	13.75	P	
Pulaski Co. S.D. No. 1 (Weeks Hollow WWTP)	11/14/2005	61.93	P	
Raytown	11/15/2004	0.71	C-Fund	
Ravenwood	08/05/05			SB
Rocky Mount Sewer District	11/14/2005	20.19		Cont
Rogersville	11/15/2004	81.34	C-P	
Rolla (SW WWTP)	5/10/2005	102.39	Fund	
Seneca	11/15/2004	115.26	C-P	
Sikeston	11/15/2004	60.80	C-Cont	

Southeast SD (Warrensburg)	11/15/2004	61.29	C-D-Cont	C-Cont
South West City	11/17/2005	99.11 - Special		F
St. Elizabeth	11/15/2004	88.74	C-D	C-F
Stockton	11/15/2004	132.18	C-P	
Stoddard Co. Common SD #1	11/15/2004	30.79		C-Cont
Sullivan	11/15/2004	94.03	C-Cont	
Taney Co. Regional Sewer District	11/14/2005	121.26	P	
Walnut Grove	11/10/2005	90.19	P	
Warrensburg	11/15/2004	232.26	C-Fund	
Washington Co PWSD #3	11/15/2004	15.81	C-D-Cont	C-Cont
Washington Co PWSD #4	11/15/2004	63.98		C-Cont
Weston	11/15/2004	64.67	Fund	
Windsor	11/15/2004	96.44	C-P	
Wright County PWSD #1	11/15/2004	64.31		C-Cont

ABBREVIATIONS & CODES

C - Carryover	F - Forty Percent Grant
Cont - Contingency	Fund – Fundable List
SB – Small Borrower	P - Planning List
D - Direct Loan	NPS - Nonpoint Source

SOURCES AND DISTRIBUTION OF FUNDS DETAIL

**Sources and Distribution of Funds Detail
Capitalization Grants and Loan Repayments**

Estimated Sources of Funds

FFY 2003 CW SRF Capitalization Grant (Balance 2/28/06)	6,154,092	
FFY 2004 CW SRF Capitalization Grant (Balance 2/28/06)	37,452,477	
FFY 2005 CW SRF Capitalization Grant	29,872,359	
FFY 2006 CW SRF Capitalization Grant	24,275,691	
Loan Repayment Fund (Balance in Fund 0602 2/28/06)	208,850,458	
Estimated CWSRF portion of Fund 0602 Investment Interest (3/1/06 - 4/1/07)	6,116,653	
Reserve Release (3/1/06 - 1/1/07)	30,638,263	
Direct Loans - Principal and Interest Repayments (3/1/06 - 4/1/07)	3,244,627	
Total Estimated Sources of Funds		\$346,604,619

Estimated Fund Commitments

Binding Loan Commitments (Balance of Reserve Payable 2/28/06)	136,872,372	
Debt Service for State Match Bond (2002 A)		
Remaining Principal Due as of 2/28/06	13,507,500	
Interest Due Through FY07	589,491	
Administration - Audit	100,000	
Total Estimated Fund Commitments		(151,069,363)

Estimated Amount of Available Funds for Future Loans

\$195,535,256

Fundable Projects for the Spring 2006 Bond Pool

	Project Amount	Reserve Amount (70%)	
Arnold (Collection System Expansion)	2,954,207	2,067,945	
Battlefield	879,182	615,428	
Eldon	4,726,917	3,308,842	
Moberly	5,658,957	3,961,270	
MSD (Missouri River WWTP 99076) Phase II	43,803,478	30,662,434	
Ozark	8,214,817	5,750,372	
Platte County Regional Sewer District	12,198,961	8,539,273	
Raytown	7,848,002	5,493,601	
Seneca	783,411	548,388	
Wardsville	789,719	552,803	
Total Fundable Projects for Spring 2006 Bond Pool	87,857,651		(61,500,355)

Estimated Amount of Available Funds for FY07 Loans

\$134,034,901

Anticipated Direct Loans

St. Elizabeth	893,420	
Gordonville	1,025,994	(\$1,919,414)

Anticipated NPS Direct Loans

Cassville (Hilltop Southern Hills NID)	1,362,550	
Cassville (Sherwood Forest NID)	0	
Jefferson County (Hoene Springs NID)	3,100,000	
Normac SD	150,000	
Ozark CWC	500,000	
Boone County Commission	2,205,346	
Bradleyville	848,500	
MASBDA	4,000,000	
St. Charles Co.	0	
Upper White River Watershed Improvement	0	(12,166,396)

Nonpoint Source Initiative

1,000,000 (1,000,000)

Disadvantaged Community Loan Program

150,000 (150,000)

Estimated Amount of Available Funds for Leveraged Reserves

\$118,799,091

Estimated Amount of Available Funds for Leveraged Projects

\$169,712,987

SOURCE AND DISTRIBUTION OF FUNDS				
LOAN ADMINISTRATION FEES Fund 0568				
Income	Program Income Earned During Grant Period	Program Income Earned After Grant Period	Non-Program Income	
Beginning Balance as of 7/1/03	\$ 9,770,362	\$ -	\$ 184,431	
FY04 Income	\$ 1,522,341	\$ 837,528	\$ 293,101	
FY04 Interest Earnings	\$ 176,933	\$ -	\$ -	
FY05 Income	\$ 1,580,634	\$ 1,230,424	\$ 383,910	
FY05 Interest Earnings	\$ 224,986	\$ -	\$ -	
FY06 Income (thru 3/31/06)	\$ 1,537,478	\$ 1,285,911	\$ 775,173	
FY06 Interest Earnings	\$ 198,066	\$ 72,113	\$ 32,331	
Subtotal	\$ 15,010,799	\$ 3,425,976	\$ 1,668,946	
Expenses				
FY04 Personnel Services	\$ 1,054,577	\$ -	\$ -	
FY04 Fringe	\$ 349,795	\$ -	\$ -	
FY04 Equipment & Expenses	\$ 1,003,174	\$ -	\$ -	
FY04 Transfers	\$ 385,555	\$ -	\$ -	
FY05 Personnel Services	\$ 1,042,270	\$ -	\$ -	
FY05 Fringe	\$ 394,568	\$ -	\$ -	
FY05 Equipment & Expenses	\$ 949,068	\$ -	\$ -	
FY05 Transfers	\$ 375,098	\$ -	\$ -	
FY06 Personnel Services	\$ 748,277	\$ -	\$ -	
FY06 Fringe	\$ 314,515	\$ -	\$ -	
FY06 Equipment & Expenses	\$ 268,539	\$ 27,631	\$ -	
FY06 Transfers	\$ 199,993	\$ -	\$ -	
Total Expenses thru 3/31/06	\$ 7,085,430	\$ 27,631	\$ -	
Subtotal	\$ 7,925,370	\$ 3,398,345	\$ 1,668,946	
Projected Income				
FY06 Income estimated for 4/1/06 - 6/30/06	\$ -	\$ 19,300	\$ 1,910	
FY07 Income estimated for 7/1/06 - 6/30/07	\$ 1,723,863	\$ 1,012,584	\$ 1,284,037	
Subtotal	\$ 1,723,863	\$ 1,031,884	\$ 1,285,947	
Projected Expenses				
FY06 Expenses estimated for 4/1/06 - 6/30/06				
Personnel Services	\$ 258,648	\$ -	\$ -	
Fringe	\$ 96,262	\$ -	\$ -	
Equipment & Expense	\$ 201,889	\$ -	\$ -	
Transfers	\$ 87,331	\$ -	\$ -	
Subtotal	\$ 644,130	\$ -	\$ -	
FY07 Expenses estimated for 7/1/06 - 6/30/07				
Personnel Services	\$ 1,034,591	\$ -	\$ -	
Fringe	\$ 481,602	\$ -	\$ -	
Equipment & Expense	\$ 807,557	\$ 277,288	\$ -	
Transfers	\$ 349,326	\$ -	\$ -	
Subtotal	\$ 2,673,075	\$ 277,288	\$ -	
Estimated Balances	\$ 6,332,027	\$ 4,152,941	\$ 2,954,893	

PROGRAM APPLICATION FORMS & INSTRUCTIONS

MISSOURI DEPARTMENT OF NATURAL RESOURCES
APPLICATION FOR ASSISTANCE
STATE REVOLVING FUND PROGRAM

APPLICANT INFORMATION																						
APPLICANT NAME: _____ ADDRESS: _____ _____ _____	THIS SPACE FOR OFFICE USE ONLY <table><thead><tr><th>Priority Points</th><th>Project Number</th><th>FY</th></tr></thead><tbody><tr><td colspan="3">LOAN AND/OR GRANT AMOUNT REQUESTED: _____ (Note: Grant Amount cannot be increased later.)</td></tr><tr><td colspan="3">PROJECT LOCATION: _____</td></tr><tr><td colspan="3">CITY: _____</td></tr><tr><td colspan="3">COUNTY: _____</td></tr><tr><td colspan="3">STATE REP. DISTRICT NUMBER(S): _____</td></tr><tr><td colspan="3">STATE SENATE DISTRICT NUMBER(S): _____</td></tr></tbody></table>	Priority Points	Project Number	FY	LOAN AND/OR GRANT AMOUNT REQUESTED: _____ (Note: Grant Amount cannot be increased later.)			PROJECT LOCATION: _____			CITY: _____			COUNTY: _____			STATE REP. DISTRICT NUMBER(S): _____			STATE SENATE DISTRICT NUMBER(S): _____		
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PROJECT LOCATION: _____																						
CITY: _____																						
COUNTY: _____																						
STATE REP. DISTRICT NUMBER(S): _____																						
STATE SENATE DISTRICT NUMBER(S): _____																						
<u>PROJECT MANAGER (LOCAL GOVERNMENT OFFICIAL):</u> NAME: _____ TITLE: _____ ADDRESS: _____ _____ _____ TELEPHONE: _____	<u>CONSULTING ENGINEER:</u> NAME: _____ FIRM: _____ ADDRESS: _____ _____ _____ TELEPHONE: _____																					
<u>PROJECT DESCRIPTION (Please include site maps if available):</u> 																						
LIST PERMIT NUMBER(S) OF WATER OR WASTEWATER FACILITIES AFFECTED BY THIS PROJECT (If applicable). Please note if the facility is to be eliminated by this project. _____																						
POPULATION OF PROJECT AREA: _____ POPULATION OF POLITICAL SUBDIVISION: _____ ESTIMATED 20 YEAR PROJECT AREA POPULATION: _____ PROJECTED NEW CONNECTIONS AT PROJECT COMPLETION: _____ NON-PERMITTED FACILITIES TO BE ELIMINATED BY THIS PROJECT: <table><thead><tr><th>NAME</th><th>POPULATION SERVED</th><th>TYPE & CONDITION OF FACILITY</th></tr></thead><tbody><tr><td>_____</td><td>_____</td><td>_____</td></tr><tr><td>_____</td><td>_____</td><td>_____</td></tr></tbody></table>		NAME	POPULATION SERVED	TYPE & CONDITION OF FACILITY	_____	_____	_____	_____	_____	_____												
NAME	POPULATION SERVED	TYPE & CONDITION OF FACILITY																				
_____	_____	_____																				
_____	_____	_____																				

DESCRIPTION OF PROBLEM TO BE ADDRESSED BY PROJECT INCLUDING:				
■ Estimated volume of sewage bypassed: _____ million gallons/day				
■ Frequency of bypass events: _____ per year				
■ Description of known downstream water quality problems, health effects and land use concerns: _____ _____				
■ Downstream water body effected: _____ lake _____ stream _____				
■ Number or percentage of failed septic tanks: _____ Number _____ % of total				
■ Description of conditions resulting from failed septic tanks: _____ _____				
OTHER INFORMATION REGARDING PROBLEMS ADDRESSED: 				
NOTE: A map showing facilities to be eliminated, location of bypassing, lift stations, relief sewers and boundaries of unsewered areas must be included.				
ESTIMATED COST:			COST BREAKDOWN FOR DESIGNATED CATEGORIES	
	ELIGIBLE	NON-ELIGIBLE	TOTAL	
Development and Administration				I. Secondary Treatment _____
Land & Easements				II. Advanced Treatment _____
*Engineering Planning and Design				III.A. Inflow/Infiltration Correction _____
*Engineering During Construction				IIIB. Sewer Rehab _____
*Resident Inspection				IV.A. Collection Sewers _____
*Construction				IVB. Interceptor Sewers _____
*Equipment				V. Combined Sewer Overflow Correction _____
**Other Costs (specify)				
TOTAL PROJECT COSTS				
* Generally these costs are eligible. ** SRF Loan closing costs (about 3%) are eligible.				TOTAL CONSTRUCTION COSTS _____
PROPOSED FINANCING: SRF LOAN AND/OR 40% GRANT: \$ _____ APPLICANT CONTRIBUTION: \$ _____ OTHER GRANTS AND LOANS: \$ _____ (Specify) \$ _____ \$ _____ TOTAL: \$ _____			Anticipated date for bond election: _____ Debt Instrument: _____ General Obligation Bonds: _____ Revenue Bonds: _____ *Other: _____ *Not SRF Loan Eligible	
To the best of my knowledge and belief, the data in this application are true and correct, and its submission has been duly authorized by the governing body of the applicant.				
SIGNATURE: _____		NAME AND TITLE: _____		
DATE: _____		(Please print or type)		



MISSOURI DEPARTMENT OF NATURAL RESOURCES
WATER PROTECTION PROGRAM
NPDES PERMITS AND ENGINEERING SECTION - NPDES & STORMWATER PERMIT UNIT
WATER QUALITY REVIEW SHEET (WQRS) REQUEST

TYPE OF PROJECT

☐ GRANT/LOAN ☐ ALL OTHER PROJECTS

REQUESTER

TELEPHONE NUMBER

REASON FOR REQUEST

☐ NEW FACILITY ☐ UPGRADE/EXPANSION ☐ PERMIT RENEWAL

DESCRIPTION

FACILITY INFORMATION

FACILITY NAME

NPDES NUMBER (IF APPLICABLE)

WATER QUALITY ISSUES

Water quality issues include: effluent limit compliance issues, notice(s) of violation (NOVs), waterbody beneficial uses not attained/supported, etc.

OUTFALL	LOCATION (LAT/LONG OR LEGAL DESCRIPTION)	RECEIVING WATERBODY

Please attach topographic map with outfall location(s) marked.

OUTFALL	DESIGN FLOW	TREATMENT TYPE	EFFLUENT TYPES*

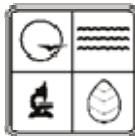
*Describing predominating character of effluent. Example: Municipal Wastewater, Industrial Wastewater, Stormwater, Mining Leachate, etc.

1. Attach a copy of existing NPDES permit if available.
2. For a new or modified facility, attach list of pollutants expected to be discharged.
3. If additional outfalls exist, please attach a separate sheet.

SIGNATURE

DATE

Submit request to: Refaat H. Mefrakis, P.E., NPDES & Stormwater Permit Unit Chief
P.O. Box 176, Jefferson City, MO 65102-0176
Phone: (573) 526-2928, Fax: (573) 526-1146
E-mail: refaat.mefrakis@dnr.mo.gov



Missouri Department of Natural Resources
Water Protection Program
P. O. Box 176, Jefferson City, MO 65102-0176

Facility Plan Submittal Checklist
Clean Water State Revolving Fund
(This form must be submitted with the Facility Plan)

1.0 Applicant Information:

Applicant Name _____
Address _____ City _____ State _____ Zip _____
Contact Person _____ Phone _____
Title _____
Consulting Engineer _____ Phone _____

2.0 Continuing Authority:

Authorized Representative _____
Title _____ Phone _____

3.0 Project Information (Check boxes that apply and include project numbers, if known):

Project Name _____

- ☐ SRF Project No. _____
- ☐ SG Project No. _____
- ☐ EPA Grant No. _____
- ☐ USDA/RD _____
- ☐ DED/CDBG _____
- ☐ Other Funding Sources _____

4.0 Facility Plan Information in accordance with 10 CSR 20-4.040 (9) (Check the enclosed items.):

- ☐ Copy of Draft Effluent Limits review letter provided by the MO DNR Water Protection Program – Permits Section¹
- ☐ Appropriate design period
- ☐ Hydraulic and organic projected loading
- ☐ General project design criteria
- ☐ I/I analysis and evaluation²
- ☐ Alternative evaluation with economic analysis
- ☐ Current and estimated future user charge
- ☐ Sealed by registered MO professional engineer
- ☐ Selected WWTF site location

Facility Plan Submittal Checklist Clean Water State Revolving Fund

5.0 Clearance Letters:

- ☐ Army Corps Of Engineers
- ☐ DNR Historic Preservation
- ☐ Department Of Conservation
- ☐ United States Fish and Wildlife
- ☐ DGLS (lagoon collapse potential and losing stream determination)
- ☐ A-95 Clearing House
- ☐ Division of State Parks (If infringes on federally funded parks)

6.0 Public Participation in accordance with 10 CSR 20-4.040 (14) and 10 CSR 20-4.050 (2)(B)2.:

- ☐ Facility Plan
- ☐ User Charge
- ☐ Environmental Effects

Review will not be initiated until items 1.0 through 4.0 are submitted. Issuance of an environmental review and final approval of the Facility Plan can not be given until all items have been submitted. Attach a schedule for submittal of any remaining information/documents.

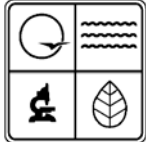
7.0 Signature:

The undersigned official of the applicant ensures that the information contained herein and the attached documents are true, correct, and complete to the best of my knowledge and belief.

Preparer's Signature: _____ Date: _____
Title: _____

¹ Use the attached WQRS Request Form to obtain draft effluent limits letter. This WQRS Request Form should only be completed by treatment facilities that are 1) new, 2) expansion and/or modification, 3) non-compliance, or 4) a permit renewal.

² 10 CSR 20-4.040 (9)(B)2. "An I/I analysis which indicates whether the sewer system is affected by excessive I/I must be performed and, if so, an analysis, which determines the cost effective solution to the excessive I/I must be included;"



Missouri Department of Natural Resources
Water Protection Program
Financial Assistance Center

Facility Plan/Environmental Information Document Guidance for Clean Water SRF Funded Projects

Engineering Reports or Facility Plans are required for State Revolving Fund (SRF) Projects. The following guidance has been prepared for engineering consultants to provide a comprehensive list of the Department's recommendations and requirements for state and federal funded projects. The following should be considered as suggested guidance except where reference has been made to the regulations, which may include **10 CSR 20-4, 6, 7 and 8**.

This document addresses the planning, engineering and environmental aspects of a project. While the rules for SRF address separately the requirements for a facility plan and environmental impact document, most applicants incorporate both of these documents into a single facility plan/environmental information document.

The Engineering Report or Facility Plan: identifies and evaluates wastewater related problems; assembles basic information; presents criteria and assumptions; examines alternate projects, with preliminary layouts and cost estimates; describes financing methods, sets forth anticipated charges for users; reviews organizational and staffing requirements; offers a conclusion with a proposed project for client consideration; and outlines official actions and procedures to implement the project. The planning document must include sufficient detail to demonstrate that the proposed project meets applicable criteria.

The concept (including process description and sizing), factual data and controlling assumptions and considerations for the functional planning of wastewater facilities are presented for each process unit and for the whole system. This data forms the continuing technical basis for the detailed design and preparation of construction plans and specifications.

Drawings identifying the site of the project and anticipated location and alignment of proposed facilities are required. Architectural, structural, mechanical and electrical designs are usually excluded. Sketches may be desirable to aid in presentation of a project. Outline specifications of process units, special equipment, etc., are occasionally included.

The level of effort required to prepare Facility Plans and the depth of analysis within should be proportional to the size and complexity of the proposed project. It is anticipated that projects involving minor collection system, pump station, and interceptor work will not be as detailed as projects involving new, expanded or rehabilitated wastewater treatment facilities or major sewer projects. All Engineering Reports or Facility Plans must be signed and sealed by a professional engineer registered in the State of Missouri.

1. Title Page

Name of Project

Owner of System

Preparer Name, Address, Phone Number, Fax Number, Seal and Signature

Date of Submittal

2. Table of Contents

3. Introduction

The introduction should state the purpose for the project and should include an evaluation of the conditions and problems needing correction. Any schedules contained in enforcement related administrative orders or agreements should be included.

The recommended project may be presented in the introduction or at the end of the engineering report, whichever is desired by the writer.

4. Existing Conditions and Projections

Planning Area and existing and potential future service areas should be indicated on sketches.

Present and predicted population shall be based on a 20 year planning period. Phased construction of wastewater facilities should be considered in rapid growth areas. Sewers and other facilities with a design life in excess of 20 years should be designed for the extended period.

Please note that master facility plans can be approved for multiple phases of construction and loans, however as per **10 CSR 20-4.050**, the Finding of No Significant Environmental Impact (FNSI) is only effective for a period of five years. Projects based upon a master facility plan approved more than five years ago will have to obtain new Environmental Clearances and conduct public participation. Master facility plans older than five years should also be updated for current opinion of costs.

5. Existing Facilities Evaluation

Existing Collection System: A brief inventory of the collection system should be included which would contain approximate miles of gravity sewers and forcemains, number of pump station and related pump station capacity. An analysis of the existing collection system is not required if the project is for a wastewater treatment facility only. Cities which have large collection systems need only to report on the collection system in the drainage basin which contains the project being studied.

If an infiltration/inflow analysis has been conducted, the findings of the study should be presented in the facility plan along with the recommendations for the most cost-effective solution to the excessive I/I.

Existing Wastewater Treatment Facility: Please provide a detailed description of the existing treatment facility along with an estimate of the capacities of each process unit and the capacity of the facility as a whole. A sketch or drawing that shows the layout of the treatment facility is desired. The age and condition of each process unit should be evaluated and presented. A copy of the current National Pollutant Discharge Elimination System (NPDES) permit should be included. Problems with the current treatment facility should be identified and recommendation made for correction.

6. Existing Hydraulic Load

Projections shall be made from actual flow data to the extent possible. **See 10 CSR 20-8.140(5)(C)1.B.** for detailed requirements. The probable degree of accuracy of data and projections shall be evaluated. This reliability estimation should include an evaluation of the accuracy of existing data, as well as an evaluation of the reliability of estimates of flow reduction anticipated due to infiltration/inflow reduction or flow increases due to elimination of sewer bypasses and backups.

Critical data and methodology used shall be included. It is recommended that graphical displays of critical peak wet weather flow data be included for a sustained wet weather flow period of significance to the project.

For consistency, it is suggested that the following flow definitions be used as a basis for design of sewers, lift stations, wastewater treatment plants and treatment units.

- A. Design Average Flow – The design average flow is the average of the daily volumes to be received for a continuous 12-month period expressed as a volume per unit time. However, the design average flow for facilities having critical seasonal high hydraulic loading periods (e.g., recreational areas, campuses, industrial facilities) shall be based on the daily average flow during the seasonal period.
- B. Design Maximum Day Flow – The design maximum day flow is the largest volume of flow to be received during a continuous 24-hour period expressed as a volume per unit time.
- C. Design Peak Hourly Flow – The design peak hourly flow is the largest volume of flow to be received during a one hour period expressed as a volume per unit time.
- D. Maximum Month Flow – The maximum flow to be received in a continuous 30-day period expressed as a volume per unit time.

7. Existing BOD and TSS Loading

Sufficient composite samples of the influent wastewater should be taken to characterize the organic strength. The average organic load must be determined and it is recommended that peak month and peak day loading rates also be determined. Existing data should be evaluated for reliability and accuracy. **See 10 CSR 20-8.(5)(C)2.**

For consistency it is suggested that the following definitions be used for design of wastewater treatment facilities.

- A. The 5-day Biochemical Oxygen Demand (BOD) is defined as the amount of oxygen required to stabilize biodegradable organic matter under aerobic conditions within a five-day period in accordance with **Standard Methods for the Examination of Water and Wastewater**. The carbonaceous 5-day Biochemical Oxygen Demand (CBOD) is defined as BOD less the nitrogenous oxygen demand of wastewater.
- B. Design Average BOD – generally the average of the organic load received for a continuous 12-month period for the design year expressed as weight per day. However, the design average BOD for facilities having critical seasonal high loading periods (e.g., recreational areas, campuses, industrial facilities) shall be based on the daily average BOD during the seasonal period.
- C. Design Maximum Day BOD – is the largest amount of organic load to be received during a continuous 24-hour period expressed as weight per day.

8. Flow and Organic Strength for New Systems

New sewer systems shall be designed on the basis of an average daily per capita flow of sewage of not less than 100 gallons per day. **See 10 CSR 20-8.120(5)(A).** In the absence of flow measurement data, peak flows for the design of sewers shall be based on the equation found at **10 CSR 20-8.120(5)(B).**

The design for sewage treatment plants to serve new sewerage systems being built in currently undeveloped areas shall be based on an average daily flow of 100 gallons per capita, unless water use data or other justification upon which to better estimate flow is provided. **See 10 CSR 20-8.140(5)C)1.A.(I).**

For design of new wastewater treatment facilities in currently unsewered areas, the design organic strength must be in accordance with **10 CSR 20-8.140(5)C)2.A.**

9. Project Development

The determination of probable effluent limits received from the department in the form of a water quality review sheet must be included. Include any special water quality studies completed by or on behalf of the applicant.

The project shall be consistent with the approved elements of any applicable water quality management plan under Section 208b of the Federal Clean Water Act. **See 10 CSR 20-6.010(9)(F)**

Consideration should be given to transport of wastewater to a regional wastewater treatment facility, when feasible. **See 10 CSR 20-6.010(3)(C)**

Whenever a project proposes a new discharge, consideration should be given to the feasibility of constructing a no-discharge. **See 10 CSR 20-6.010(4)(D)1.** When feasible, it is recommended that unsewered communities consider centralized management of onsite sewage systems.

At least two alternatives must be evaluated and presented in the facility plan. As per **10 CSR 20-4.040(9)**, the proposed project shall provide for the most cost-effective technology to treat wastewater and nonexcessive I/I to meet the requirements of **10 CSR 20-7.015, Effluent Regulations and 10 CSR 20-7.031, Water Quality Standards.** Please include the construction cost, average annual operation and maintenance cost and 20-year present worth for each alternative. Sewer and rehabilitation projects do not need detailed cost effectiveness analyses.

An estimate of the user charges must be included in the facility plan. **See 10 CSR 20-4.040(9) and 10 CSR 20-4.040(17).**

Engineering criteria to be used in the design of the project must be included. Design of the proposed wastewater facilities shall be in accordance with **10 CSR 20-8**, however, these rules allow for deviations when adequate justification is presented. In general justification for a deviation from the rules is considered when the following references are used:

- A. Recommended Standards for Wastewater Facilities, Great Lakes-Upper Mississippi River Board of State and Provincial Public Health and Environmental Managers, 2004 Edition. (10 States Standards)
- B. Design of Municipal Wastewater Treatment Plants, Fourth Edition. WEF manual of Practice No. 8. ASCE Manual and Report on Engineering Practice No. 76.

- C. Wastewater Engineering, Treatment, Disposal and Reuse, Metcalf & Eddy Inc., Fourth Edition
- D. Treatment devices or processes not specifically addressed in **10 CSR 20-8** or the above references will be reviewed in accordance with the criteria for evaluating new processes and equipment found at **10 CSR 20-8.020(11)(B)2. or 10 CSR 20-8.140(5)(B).**

The wastewater treatment facility design capacity is the design average flow at the design average BOD. The design should include the appropriate peaking factors for flow and BOD as previously discussed.

Flood considerations, including the 25 and 100-year flood levels, impact on floodplain and floodway, and compliance with applicable regulations regarding construction in flood prone areas, should be evaluated. **See 10 CSR 20-140(3)(A).**

10 CSR 20-4.040(18) prohibits the use of structures, materials, equipment or processes which are available from a single source unless the applicant's engineer adequately justifies in writing to the department that the proposed use meets the project's minimum needs. If it is known that a particular process or equipment will be procured from a sole source, the justification for sole source procurement should be contained in the facility plan, otherwise review of sole source procurement will occur during plans and specification review.

A geohydrological evaluation must be obtained from the Department's Division of Geology and Land Survey (DGLS) for projects involving earthen basins such as lagoons or sludge holding basins. The use of an earthen basin will not be approved if the geohydrological evaluation indicates that the proposed earthen basin has severe geological limitations. For projects that propose a new discharge, a Losing/Gaining Stream Classification must be obtained from the Division of Geology and Land Survey.

10. Recommended Project

Please provide the total project costs for the recommended project which would include construction, engineering, land, legal and administrative costs. Also include the estimated operation and maintenance costs and the estimate of the user charge. For the recommended project, please include the following:

- A. Wastewater treatment plant design average and peak flows
- B. Wastewater treatment plant design organic loading
- C. For treatment plant improvement projects, please indicate what treatment units are to be upgraded or added.
- D. For sewer projects, please indicate the average and peak hourly flow requirements for pump stations and sewers.
- E. Engineering criteria used for preliminary sizing of the facilities

11. Environmental Review

As per **10 CSR 20-4.050(2)(A)**, applicants seeking a Categorical Exclusion from environmental review will provide sufficient documentation to demonstrate compliance with the criteria of subsection **(1)(A)** of this rule, as follows:

- A. Statement indicating that the project is cost-effective and that the applicant is financially capable of constructing, operating and maintaining the facilities.
- B. Plan map(s) of the proposed project showing the location of all construction, the planning area boundaries and any known environmentally sensitive areas.

As per **10 CSR 20-4.050(2)(B)**, an environmental information document (EID) must be submitted by those applicants whose proposed projects do not meet the criteria for a Categorical Exclusion. The EID must contain the following:

- A. The environmental setting for the project and the future of the environment without the project.
- B. The potential environmental impacts of the project as proposed including those which cannot be avoided.
- C. The relationship between the short term uses of the environment and the maintenance and enhancement of long term productivity.
- D. Any irreversible or irretrievable commitments of resources to the proposed project.
- E. A description of public participation activities conducted, issues raised and changes to the project which may be made as a result of the public participation process.
- F. Documentation of coordination with appropriate governmental agencies (clearances).

Historic Preservation: Missouri Department of Natural Resources State Historic Preservation Program P.O. Box 176 Jefferson City, Missouri 65102 (573) 751- 2479	Division of State Parks: MO Department of Natural Resources Division of State Parks P.O. Box 176 Jefferson City, MO 65102
U.S. Fish and Wildlife Service: U.S. Fish and Wildlife Service Missouri Ecological Services Office 101 Park DeVille Drive, Suite A Columbia, Missouri 65203-0007 (573) 234-2132	A-95 Clearinghouse: Office of Administration Intergovernmental Relations P.O. Box 809 Jefferson City, Missouri 65102 (573) 751-4834
Conservation Department: Missouri Department of Conservation P.O. Box 180 Jefferson City, MO 65102-0180 (573) 751-4115	DGLS: Division of Geology and Land Survey Geological Survey Program P.O. Box 250 Rolla, MO 65401
Corps of Engineers District Office: The State of Missouri is divided between three (3) different Corps of Engineers Districts: the Omaha District, the Kansas City District and the Little Rock District. The district boundaries and addresses for the appropriate district office can be found on the Internet at: http://www.swt.usace.army.mil/address/addressPAO.cfm .	

12. Public Participation

To satisfy the requirements of **10 CSR 20-4.040(14)(A)**, a public meeting shall be conducted to discuss the alternative engineering solutions

- A. Public Meeting – Facility Plan & Engineering Alternatives (**Per 10 CSR 20-4.040(14)(A)**, a public meeting shall be conducted to discuss the alternative engineering solutions. At a minimum, the following information should be presented during the public meeting related to the Facility Plan and Engineering alternatives).
 - 1) Discuss the problems that have created the need to expand/upgrade/repair the existing collection system (e.g. Abatement Order, Violation Notice, etc.).
 - 2) Discuss what alternatives were evaluated. This can include a “no action” alternative. The City should choose the most cost efficient means of collecting their wastewater for the long term.
 - 3) Discuss which option the City is proposing to build and how this option will meet the City’s needs.

To document the advertisement requirement was completely within the required time frame, provide verification of the public meeting to MDNR Water Protection Program.

- A. Public Hearing – Environmental Impact (**Per 10 CSR 20-4.050(2)(B)2.**)
 - 1) The hearing will be advertised for at least 30 days prior to the meeting.
 - 2) A verbatim transcript of the meeting must be submitted to the WPP director of staff.
 - 3) A list of all attendee’s with addresses, any written testimony and applicant’s responses to the issues raised.
 - 4) Discuss how the project will impact such areas as wetlands, floodplains, threatened /endangered species, cultural resources, prime farmland, public lands, parks, etc.
 - 5) Discuss how the proposed project may impact the development pattern of the area.
 - 6) Discuss the environmental clearances requested from the numerous agencies.
 - 7) Discuss the impact on personal property such as driveways, trees, easements, etc.
 - 8) Discuss the impact on water quality, air quality, etc.
 - 9) Discussion of the user charges.

To document the advertisement requirement was complete, include a verification of the hearing public notice with the transcript to MDNR Water Protection Program.

NOTE: THE PUBLIC MEETINGS AND THE PUBLIC HEARING MUST BE SEPARATE EVENTS AND MUST BE PREFORMED BEFORE A FINDING OF NO SIGNIFICANT IMPACT / ENVIRONMENT ASSESSMENT DETERMINATION CAN BE OBTAINED AND THE FACILITY PLAN IS APPROVED.

Although not part of the requirements for the Facility Plan or the environmental review, the applicant may want to consider holding the public meeting and hearing at the same time for convenience. In addition to the public participation requirements mentioned above, the applicant may want to hold the

required public meeting needed for the user charge rates during at the same time as the Public Meeting and the Public Hearing. See the requirements for this meeting below.

A. Public Meeting – User Charge Rates (**Per 10 CSR 20-4.040(14)(B)**)

- 1) Public notice of the meeting should be published at least 30 days prior to the meeting.
- 2) A transcript, recording or other complete recording of the meeting shall be prepared and submitted to the department and made available to the public upon request.
- 3) Outline how the City will finance the cost of the improvements. Sales Tax, Bonds, City Reserves, etc.
- 4) Discuss what additional costs will result from this project. Additional electricity, upkeep on additional collection lines, additional labor for maintaining the new equipment vs. the current system, etc.
- 5) Discuss the estimated user rates that will be necessary to cover the Operation & Maintenance (O&M) budget including debt service. NOTE: All users must be charged a proportional rate based on their usage.
- 6) Discuss when any increases will go into effect (e.g. gradual over a few years, at loan closing, upon completion of construction, etc.)